

**Appendix 6-1. Taxonomic identifications of surf zone fish food habits listed in order of relative abundance within each predator taxon.**

Atlantic Silversides (<60mm)				
Prey Taxon	1996	1997	1998	1999
Crab	<i>Emerita talpoida</i>	<i>Emerita talpoida</i>	<i>Emerita talpoida</i>	<i>Emerita talpoida</i>
	Megalopal Stage Larvae	Megalopal Stage Larvae	Brachyura (LPIL)	Brachyura (LPIL)
				Megalopal Stage Larvae
Shrimp				<i>Crangon septemspinosa</i>
Amphipod	<i>Jassa falcata</i>	<i>Jassa falcata</i>	<i>Jassa falcata</i>	<i>Jassa falcata</i>
	<i>Hyale plumulosa</i>	<i>Hyale plumulosa</i>	<i>Hyale plumulosa</i>	<i>Hyale plumulosa</i>
Isopod			<i>Jaera marina</i>	
Shrimp	<i>Crangon septemspinosa</i>			
Mysid			<i>Neomysis americana</i>	
Insect		<i>Telmatogeton (LPIL)</i>	<i>Telmatogeton (LPIL)</i>	<i>Telmatogeton (LPIL)</i>
			Diptera	
			Flying Ants	Flying Ants
Polychaete	Large spionid	<i>Scolelepis squamata</i>	<i>Scolelepis squamata</i>	<i>Scolelepis squamata</i>
Atlantic Silversides (>60mm)				
Prey Taxon	1996	1997	1998	1999
Crab	<i>Emerita talpoida</i>	<i>Emerita talpoida</i>	<i>Emerita talpoida</i>	<i>Emerita talpoida</i>
	Megalopal Stage Larvae	Megalopal Stage Larvae	Megalopal Stage Larvae	Megalopal Stage Larvae
			Brachyura (LPIL)	Brachyura (LPIL)
Shrimp	<i>Crangon septemspinosa</i>		<i>Crangon septemspinosa</i>	<i>Crangon septemspinosa</i>
Amphipod	<i>Jassa falcata</i>	<i>Jassa falcata</i>	<i>Jassa falcata</i>	<i>Jassa falcata</i>
	<i>Hyale plumulosa</i>	<i>Hyale plumulosa</i>	<i>Hyale plumulosa</i>	<i>Hyale plumulosa</i>
Isopod	<i>Idotea balthica</i>	<i>Idotea balthica</i>		<i>Idotea balthica</i>
Mysid			<i>Neomysis americana</i>	
Insect	<i>Telmatogeton (LPIL)</i>	<i>Telmatogeton (LPIL)</i>	<i>Telmatogeton (LPIL)</i>	<i>Telmatogeton (LPIL)</i>
			Diptera (LPIL)	
			Flying Ants	Flying Ants
Polychaete	<i>Scolelepis squamata</i>	<i>Scolelepis squamata</i>	<i>Scolelepis squamata</i>	<i>Scolelepis squamata</i>
		<i>Phylloduce (LPIL)</i>	<i>Nephtys (LPIL)</i>	<i>Scoletoma acicularum</i>
			<i>Polynoidae (LPIL)</i>	
Bivalve				<i>Mytilus edulis</i>

**Appendix 6-2. Taxonomic identifications of surf zone fish food habits listed in order of relative abundance within each predator taxon.**

<b>Rough Silversides (&lt;60mm)</b>				
<b>Prey Taxon</b>	<b>1996</b>	<b>1997</b>	<b>1998</b>	<b>1999</b>
Crab	Megalopal Stage Larvae		<i>Emerita talpoida</i>	<i>Emerita talpoida</i>
Amphipod	<i>Jassa falcata</i>	<i>Jassa falcata</i>	<i>Jassa falcata</i>	
	<i>Gammarus annulatus</i>			
Insect			Diptera (LPIL)	
Polychaete				

  

<b>Rough Silversides (&gt;60mm)</b>				
<b>Prey Taxon</b>	<b>1996</b>	<b>1997</b>	<b>1998</b>	<b>1999</b>
	Megalopal Stage Larvae			
Amphipod	<i>Jassa falcata</i>	<i>Jassa falcata</i>	<i>Jassa falcata</i>	<i>Jassa falcata</i>
		<i>Ampelisca (LPIL)</i>	<i>Gammarus annulatus</i>	<i>Gammarus annulatus</i>
Isopod		<i>Idotea balthica</i>		
Insect			Diptera (LPIL)	
Polychaete	Large Spionid			

**Appendix 6-3. Taxonomic identifications of surf zone fish food habits listed in order of relative abundance within each predator taxon.**

<b>Kingfish (5 -10 cm SL)</b>				
<b>Prey Taxon</b>	<b>1996</b>	<b>1997</b>	<b>1998</b>	<b>1999</b>
Crab	<i>Emerita talpoida</i>	<i>Emerita talpoida</i>	<i>Emerita talpoida</i>	<i>Emerita talpoida</i>
			Brachyura (LPIL)	
			Megalopal Stage Larvae	
Shrimp	<i>Crangon septemspinosa</i>	<i>Crangon septemspinosa</i>	<i>Crangon septemspinosa</i>	<i>Crangon septemspinosa</i>
Amphipod			<i>Gammarus annulatus</i>	<i>Gammarus annulatus</i>
	<i>Jassa falcata</i>	<i>Jassa falcata</i>	<i>Jassa falcata</i>	<i>Jassa falcata</i>
	<i>Hyale plumulosa</i>	<i>Hyale plumulosa</i>		<i>Haustoriidae</i>
Isopod	<i>Idotea baltica</i>	<i>Idotea balthica</i>		
Mysids		<i>Neomysis americana</i>	<i>Neomysis americana</i>	
Polychaete	Large Spionid	<i>Scolelepis squamata</i>	<i>Scolelepis squamata</i>	<i>Scolelepis squamata</i>
		<i>Scoletoma acicularum</i>		
Bivalve			<i>Mytilus edulis</i>	
<b>Kingfish (10-15 cm SL)</b>				
<b>Prey Taxon</b>	<b>1996</b>	<b>1997</b>	<b>1998</b>	<b>1999</b>
Crab		<i>Emerita talpoida</i>	<i>Emerita talpoida</i>	<i>Emerita talpoida</i>
		Brachyura (LPIL)	Brachyura (LPIL)	Brachyura (LPIL)
			<i>Pagurus longicarpus</i>	
Shrimp	<i>Crangon septemspinosa</i>	<i>Crangon septemspinosa</i>	<i>Crangon septemspinosa</i>	<i>Crangon septemspinosa</i>
Isopod	<i>Idotea baltica</i>	<i>Idotea balthica</i>		
Amphipod		<i>Hyale plumulosa</i>	<i>Gammanus annulatus</i>	<i>Gammarus annulatus</i>
		<i>Jassa falcata</i>	<i>Jassa falcata</i>	<i>Jassa falcata</i>
			Haustoriidae (LPIL)	
Insect	<i>Telmatogeton (LPIL)</i>			
Polychaete	Large Spionid	<i>Scolelepis squamata</i>	<i>Scolelepis squamata</i>	<i>Scolelepis squamata</i>
		<i>Scoletoma acicularum</i>	<i>Neptys (LPIL)</i>	
<b>Kingfish (15-20 cm SL)</b>				
<b>Prey Taxon</b>	<b>1996</b>	<b>1997</b>	<b>1998</b>	<b>1999</b>
Crab				<i>Emerita talpoida</i>
			Brachyura (LPIL)	Brachyura (LPIL)
Shrimp			<i>Crangon septemspinosa</i>	<i>Crangon septemspinosa</i>
Amphipod		<i>Hyale plumulosa</i>	<i>Gammarus annulatus</i>	<i>Gammarus annulatus</i>
			<i>Jassa falcata</i>	
Polychaete			<i>Scolelepis squamata</i>	<i>Scolelepis squamata</i>

